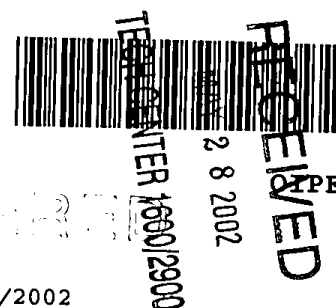


1664



RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/077,712B

DATE: 05/13/2002
TIME: 16:11:38

Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF3\05132002\I077712B.raw

4 <110> APPLICANT: Wong, Chi-Huey
5 Slee, Deborah H.
6 Laslo, Karen
8 <120> TITLE OF INVENTION: HIV Protease Inhibitors
11 <130> FILE REFERENCE: 482.1/SCR 2025P
13 <140> CURRENT APPLICATION NUMBER: US 09/077,712B
C--> 14 <141> CURRENT FILING DATE: 2002-04-30
16 <150> PRIOR APPLICATION NUMBER: PCT/US96/19571
17 <151> PRIOR FILING DATE: 1996-12-09
19 <150> PRIOR APPLICATION NUMBER: US 08/568,532
20 <151> PRIOR FILING DATE: 1995-12-07
22 <160> NUMBER OF SEQ ID NOS: 7
24 <170> SOFTWARE: FastSEQ for Windows Version 4.0
26 <210> SEQ ID NO: 1
27 <211> LENGTH: 8
28 <212> TYPE: PRT
29 <213> ORGANISM: Lentivirus Human Immunodeficiency virus 1
31 <400> SEQUENCE: 1
32 Ser Gln Asn Tyr Pro Ile Val Gln
33 1 5
36 <210> SEQ ID NO: 2
37 <211> LENGTH: 8
38 <212> TYPE: PRT
39 <213> ORGANISM: Lentivirus feline immunodeficiency virus
41 <400> SEQUENCE: 2
42 Pro Gln Ala Tyr Pro Ile Gln Thr
43 1 5
46 <210> SEQ ID NO: 3
47 <211> LENGTH: 6
48 <212> TYPE: PRT
49 <213> ORGANISM: Lentivirus feline immunodeficiency virus
51 <400> SEQUENCE: 3
52 Gln Ala Tyr Pro Ile Gln
53 1 5
56 <210> SEQ ID NO: 4
57 <211> LENGTH: 6
58 <212> TYPE: PRT
59 <213> ORGANISM: Artificial Sequence
61 <220> FEATURE:
62 <221> NAME/KEY: MOD_RES
63 <222> LOCATION: 1
64 <223> OTHER INFORMATION: acylated with 2 amino-benzoic acid
66 <221> NAME/KEY: MOD_RES

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/077,712B

DATE: 05/13/2002

TIME: 16:11:38

Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF3\05132002\I077712B.raw

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MAY 28 2002

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67 <222> LOCATION: 4
 68 <223> OTHER INFORMATION: para-nitro group on the phenyl ring of this
 69 phenylalanine
 W--> 71 <221> AMIDATION
 72 <222> LOCATION: 6
 73 <223> OTHER INFORMATION: amidated with ammonia
 75 <223> OTHER INFORMATION: Synthetic
 W--> 77 <400> 4
 78 Thr Ile Asn Phe Gln Arg
 79 1 5
 82 <210> SEQ ID NO: 5
 83 <211> LENGTH: 17
 84 <212> TYPE: PRT
 85 <213> ORGANISM: Unknown
 87 <220> FEATURE:
 88 <223> OTHER INFORMATION: synthetic
 90 <400> SEQUENCE: 5
 91 Gly Lys Glu Glu Gly Pro Pro Gln Ala Tyr Pro Ile Gln Thr Val Asn
 92 1 5 10 15
 93 Gly
 97 <210> SEQ ID NO: 6
 98 <211> LENGTH: 6
 99 <212> TYPE: PRT
 100 <213> ORGANISM: Artificial Sequence
 102 <220> FEATURE:
 103 <223> OTHER INFORMATION: Commercially available fluorogenic substrate for
 104 the protease of the human immunodeficiency virus
 W--> 106 <221> NAME/KEY: ACETYLATION
 107 <222> LOCATION: 1
 W--> 109 <221> MOD_RES
 110 <222> LOCATION: 4
 111 <223> OTHER INFORMATION: para-nitro group on the ring of phenylalanine
 W--> 113 <221> AMIDATION
 114 <222> LOCATION: 6
 115 <223> OTHER INFORMATION: primary amide
 W--> 117 <400> 6
 118 Thr Ile Asn Phe Gln Arg
 119 1 5
 122 <210> SEQ ID NO: 7
 123 <211> LENGTH: 8
 124 <212> TYPE: PRT
 125 <213> ORGANISM: Artificial Sequence
 127 <220> FEATURE:
 128 <221> NAME/KEY: MOD_RES
 129 <222> LOCATION: 4
 130 <223> OTHER INFORMATION: 3-amino-2-oxo-4-phenylbu-
 131 tyric acid residue
 133 <221> NAME/KEY: AMIDATION
 134 <222> LOCATION: 8

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/077,712B

DATE: 05/13/2002

TIME: 16:11:38

Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF3\05132002\I077712B.raw

135 <223> OTHER INFORMATION: primary amide formed with
136 ammonia

138 <223> OTHER INFORMATION: synthetic

W--> 140 <400> 7

141 Pro Gln Ala Phe Pro Ile Gln Thr

142 1 5

VERIFICATION SUMMARY

DATE: 05/13/2002

PATENT APPLICATION: US/09/077,712B

TIME: 16:11:39

Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF3\05132002\I077712B.raw

L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:71 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:4
L:77 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:4
L:106 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:109 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:6
L:113 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:6
L:117 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:6
L:140 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:7